

Olympus LUMPLFLN 40XW Objective

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Olympus LUMPLFLN 40XW Objective, #34-557

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1

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Product Downloads

General	
1-U2M587	Model Number:
Compatible Tube Lens Focal Length (mm): Focal Length: 180mm	
Microscope Objective	Type:
Infinity Corrected	Style:

Olympus	Manufacturer:
Physical & Mechanical Properties	
0.66	Field of View (mm):
41.70	Length excluding Threads (mm):
21	Maximum Diameter (mm):
70	Weight (g):
Optical Properties	
N/A	Compatible Cover Glass Thickness (mm):
4.50	Focal Length FL (mm):
40X	Magnification:
0.80	Numerical Aperture NA:
0.42	Resolving Power (µm):
0.57	Depth of Field (µm):
3.3	Working Distance (mm):
400 - 700	Wavelength Range (nm):
26.5	Field Number (mm):
45	Parfocal Length (mm):
Water	Immersion Liquid:
Threading & Mounting	
RMS / 20.32mm x 36 TPI	Mounting Threads:
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- Water Immersion Objectives with Excellent DIC and Fluorescence
- Displays Flat Images From High Transmission Factors up to the Near-Infrared Region of the Spectrum
- Ideal for Fluorescence Imaging of Tissue and Specimens, such as Brain Tissue
- Magnification Ranges from 10X to 60X

Olympus Water Immersion Objectives offer low to high magnification with extremely high numerical apertures and long working distances. By using water in place of oil, you can effectively overcome common problems with aberrations. Similar to oil immersion objectives, these water immersion objectives are useful for thinly cut tissue sections and living cell imaging, along with other neuroscience applications. Olympus Water Immersion Objectives feature excellent transmission in the IR region, making these lenses are suitable for IR-DIC and fluorescence applications. High numerical apertures also provide superb image quality in combination with most confocal laser microscopes.

Technical Information

	Stock #	A	B	C	D	E	F
U MPLFLN 10XW	#34-555	41.5	9.7	7	15.7	21	4.5
U MPLFLN 20XW	#34-556	41.5	9.7	7	15.7	21	4.5
L U MPLFLN 40XW	#34-557	41.7	9.9	7.2	15.8	21	4.5

